



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|--|-------------|----------------------|---------------------|------------------|
| 10/840,074 | 05/06/2004 | Masaru Yamaguchi | 112857-479 | 7847 |
| 7590 | 05/02/2007 | | EXAMINER | |
| William E. Vaughan Bell, Boyd & Lloyd LLC P.O. Box 1135 Chicago, IL 60690 | | | QUARTERMAN, KEVIN J | |
| | | | ART UNIT | PAPER NUMBER |
| | | | 2879 | |
| | | | MAIL DATE | DELIVERY MODE |
| | | | 05/02/2007 | PAPER |

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

| | | | |
|------------------------------|------------------------|---------------------|--|
| Office Action Summary | Application No. | Applicant(s) | |
| | 10/840,074 | YAMAGUCHI, MASARU | |
| | Examiner | Art Unit | |
| | Kevin Quarterman | 2879 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 17 April 2007.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1,2 and 4-17 is/are pending in the application.
- 4a) Of the above claim(s) 8-17 is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1,2 and 4-7 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 06 May 2004 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO/SB/08)
 Paper No(s)/Mail Date 0107.
- 4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____.
- 5) Notice of Informal Patent Application
- 6) Other: _____.

DETAILED ACTION

Response to Amendment

1. Applicant's amendment and remarks received 26 February 2007 have been entered.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless —

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-2 and 4-7 are rejected under 35 U.S.C. 102(b) as being anticipated by Mori (US 2002/0187265).

4. Regarding independent claim 1, Figure 6 of Mori shows a deposition mask (200) that forms a continuous organic layer (11) common to a plurality of organic light-emitting devices of a display unit that has a matrix configuration constructed by a plurality of lines and columns associated with the organic light-emitting devices on a substrate (1) by deposition, comprising a body part (202) having one or more stripe-shaped openings (200h) to form a continuous organic layer common to at least two lines of the matrix configuration; and one or more protrusions that are provided on the body part wherein the protrusions partly protrude inside the one or more stripe-shaped openings (see Fig. 14) and wherein the protrusions are in a shape selected from the group consisting of a semicircle, semiellipse, and a polygon.

5. Regarding claim 2, Figure 14 of Mori shows the protrusions being provided corresponding to an area between the lines of the organic light-emitting devices.
6. Regarding claim 4, Figure 14 of Mori shows the protrusions provided as a pair at relative positions on both sides in a width direction of the one or more stripe-shaped openings.
7. Regarding claim 5, Mori discloses a plurality of pairs of the protrusions provided corresponding to respective positions between the lines of the organic light-emitting devices (pg. 4, ¶ [0064]).
8. Regarding claim 6, the Examiner notes that the patentability of a product does not depend on its method of production (MPEP § 2113). Thus, the claimed recitation of the openings being formed by etching or electroforming has not been given patentable weight.
9. Regarding claim 7, Mori discloses the body part including a material having magnetic characteristics (pg. 4, ¶ [0063]).

Response to Arguments

10. Applicant's arguments received 26 February 2007 have been fully considered but they are not persuasive.
11. In response to applicant's argument that Mori makes no reference to the mask in describing Figure 2, the Examiner notes that Mori discloses the mask being used for the formation of the organic layers shown in Figure 2 (¶ [0064]). Therefore, the Examiner holds that Mori relates the mask to the structure shown in Figure 2.

12. In response to applicant's argument that there is no reference in Mori made to the shape of the mask openings, the Examiner notes that Mori discloses that the mask is formed with a number of openings corresponding to the patterns of the organic layers (¶ [0064]). Figure 2 of Mori shows the organic layers (11R, 11G, 11B) having a shape selected from the group consisting of a semicircle, a semiellipse, and a polygon. Therefore, the Examiner holds that Mori does indeed teach the shape of the mask openings.

Conclusion

13. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

14. A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

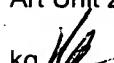
Contact Information

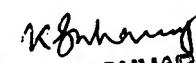
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin Quarterman whose telephone number is (571) 272-2461. The examiner can normally be reached on M-TH (7-5:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh Patel can be reached on (571) 272-2457. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Kevin Quarterman
Examiner
Art Unit 2879


kq
17 April 2007


KARABI GUHARAY
PRIMARY EXAMINER